

# Motor cable NEBM-F1W31-XC-0.5-F1N-DF1W31

Part number: 8079819

FESTO



 General operating condition

## Data sheet

Feature	Value
Cable designation	Without inscription label holder
Frequency of connection	30
Product weight	27 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Square
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, note on cable outlet	90°
Electrical connection 1, connector system	Connection pattern F1
Electrical connection 1, number of connections/cores	31
Electrical connection 1, used connections/cores	31
Electrical connection 1, type of mounting	Snap-locking
Electrical connection 1, connection pattern	00995930
Electrical connection 2, function	Control side
Electrical connection 2, design	Square
Electrical connection 2, connection type	Socket
Electrical connection 2, cable outlet	Angled
Electrical connection 2, note on cable outlet	90°
Electrical connection 2, connector system	Connection pattern F1
Electrical connection 2, number of connections/cores	31
Electrical connection 2, used connections/cores	31
Electrical connection 2, type of mounting	Snap-locking
Electrical connection 2, connection pattern	00995930
Operational voltage range DC	0 V ... 50 V
Nominal operating voltage DC	24 V
Current rating at 40° C	0.5 A
Immunity to surge	0.25 kV
Cable length	0.5 m
Cable characteristic	For dynamic applications
Test conditions cable	Test conditions on request
Bending radius, fixed cable	0 mm
Information on bending radius, fixed cable installation	Can be bent once
Bending radius, moving cable	≥25 mm
Cable structure	31 x 0.01 mm <sup>2</sup>
Nominal cross section conductor	0.0105 mm <sup>2</sup>
Degree of protection	IP20

<b>Feature</b>	<b>Value</b>
Note on degree of protection	In mounted state
Ambient temperature	-20 °C ... 75 °C
Ambient temperature with moving cable	-5 °C ... 70 °C
Storage temperature	-25 °C ... 55 °C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS compliant
Pollution degree	1
Corrosion resistance class CRC	1 - Low corrosion stress
Material cable sheath	PET
Cable sheath colour	Grey
Material housing	Process automation
Housing colour	Black
Material electrical contact	Tin-plated copper alloy